



OIPE

RAW SEQUENCE LISTING                      DATE: 01/17/2002  
 PATENT APPLICATION: US/10/033,435              TIME: 15:55:47

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd  
 Output Set: N:\CRF3\01172002\J033435.raw

Does Not Comply  
 Corrected Diskette Needed

```

3 <110> APPLICANT: Botstein,David
4   Desnoyers,Luc
5   Ferrara,Napoleone
6   Fong,Sherman
7   Gao,Wei-Qiang
8   Goddard,Audrey
9   Gurney,Austin L.
10  Pan,James
11  Roy,Margaret Ann
12  Stewart,Timothy A.
13  Tumas,Daniel
14  Watanabe,Colin K.
15  Wood,William I.
17 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
18   Acids Encoding the Same
20 <130> FILE REFERENCE: P2930R1C5
C--> 22 <140> CURRENT APPLICATION NUMBER: US/10/033,435
C--> 22 <141> CURRENT FILING DATE: 2001-12-27
22 <150> PRIOR APPLICATION NUMBER: 60/095,325
23 <151> PRIOR FILING DATE: 1998-08-04
25 <150> PRIOR APPLICATION NUMBER: 60/112,851
26 <151> PRIOR FILING DATE: 1998-12-16
28 <150> PRIOR APPLICATION NUMBER: 60/113,145
29 <151> PRIOR FILING DATE: 1998-12-16
31 <150> PRIOR APPLICATION NUMBER: 60/113,511
32 <151> PRIOR FILING DATE: 1998-12-22
34 <150> PRIOR APPLICATION NUMBER: 60/115,558
35 <151> PRIOR FILING DATE: 1999-01-12
37 <150> PRIOR APPLICATION NUMBER: 60/115,565
38 <151> PRIOR FILING DATE: 1999-01-12
40 <150> PRIOR APPLICATION NUMBER: 60/115,733
41 <151> PRIOR FILING DATE: 1999-01-12
43 <150> PRIOR APPLICATION NUMBER: 60/119,341
44 <151> PRIOR FILING DATE: 1999-02-09
46 <150> PRIOR APPLICATION NUMBER: 60/119,537
47 <151> PRIOR FILING DATE: 1999-02-10
49 <150> PRIOR APPLICATION NUMBER: 60/119,965
50 <151> PRIOR FILING DATE: 1999-02-12
52 <150> PRIOR APPLICATION NUMBER: 60/162,506
53 <151> PRIOR FILING DATE: 1999-10-29
55 <150> PRIOR APPLICATION NUMBER: 60/170,262
56 <151> PRIOR FILING DATE: 1999-12-09
58 <150> PRIOR APPLICATION NUMBER: 60/187,202

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,435

DATE: 01/17/2002

TIME: 15:55:47

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd

Output Set : N:\CRF3\01172002\J033435.raw

59 <151> PRIOR FILING DATE: 2000-03-03  
 61 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252  
 62 <151> PRIOR FILING DATE: 1999-06-02  
 64 <150> PRIOR APPLICATION NUMBER: PCT/US99/28634  
 65 <151> PRIOR FILING DATE: 1999-12-01  
 67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28551  
 68 <151> PRIOR FILING DATE: 1999-12-02  
 70 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565  
 71 <151> PRIOR FILING DATE: 2000-02-11  
 73 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
 74 <151> PRIOR FILING DATE: 2000-02-22  
 76 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841  
 W--> 77 <151> PRIOR FILING DATE: 2000-03-02 *delete spec*  
 79 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439  
 80 <151> PRIOR FILING DATE: 2000-03-30  
 82 <150> PRIOR APPLICATION NUMBER: PCT/US00/14941  
 83 <151> PRIOR FILING DATE: 2000-05-30  
 85 <150> PRIOR APPLICATION NUMBER: PCT/US00/15264  
 86 <151> PRIOR FILING DATE: 2000-06-02  
 88 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678  
 89 <151> PRIOR FILING DATE: 2000-12-01  
 W--> 92 <150> CURRENT APPLICATION NUMBER: US 09/866,034  
 C--> 93 <151> CURRENT FILING DATE: 2001-05-25  
 95 <160> NUMBER OF SEQ ID NOS: 38  
 97 <210> SEQ ID NO: 1  
 98 <211> LENGTH: 1283  
 99 <212> TYPE: DNA  
 100 <213> ORGANISM: Homo sapiens  
 102 <400> SEQUENCE: 1  
 103 cggacgcgctg ggaccatac ttgctggctc gatccatgca caaggcgggg 50  
 105 ctgctaggccg tctgtgcccg ggcctggaaat tgggtgcgga tggccagctc 100  
 107 cgggatgacc cgcgcgggacc cgtctgcgaaa taaggtggcc ctggtaacgg 150  
 109 cctccaccga cgggatcgcc ttgcctcatcg cccggcgctt ggcccaggac 200  
 111 ggggcccctg tggctcgtcag cagccggaag cagcagaatg tggaccaggc 250  
 113 ggtggccacg ctgcaggggg aggggctgag cgtgaagggc accgtgtgcc 300  
 115 atgtggggaa ggcggaggac cgggagcggc tgggtggccac ggctgtgaa 350  
 117 ctctcatggag gtatcgatat cctagtctcc aatgctgctg tcaacccttt 400  
 119 ctttggaaagc ataatggatg tcaactgagg ggtgtgggac aagactotgg 450  
 121 acattaatgt gaagggcccca gccctgatga caaaggcagt ggtgcgaa 500  
 123 atggagaaac gaggaggcgg ctacgtgggt atcgtgtcct ccatagcagc 550  
 125 ctctcagcca tctcctggct tcagtcctta caatgtcagt aaaaacagct 600  
 127 tgctggggcct gaccaagacc ctggccatag agctggcccc aagggaacatt 650  
 129 aggggtgaact gcttagcacc tggacttacc aagactagct tcagcaggat 700  
 131 gctctggatg gacaaggaaa aagaggaaa catgaaagaa accctgcgga 750  
 133 taagaagggtt aggcgagcca gaggattgtg ctggcatcgt gtctttctcg 800  
 135 tgcctctgaag atgccagcta catcaactgg gaaacagtgg tgggtgggtg 850  
 137 aggaaccccg tcccgcctct gaggaccggg agacagccca caggccagag 900  
 139 ttgggctcta gctcctgggt ctgttctctg attcaccac tggcctttcc 950  
 141 cacctctgct caccttactg ttaacctcat caaatcagtt ctgcctgtg 1000

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,435

DATE: 01/17/2002

TIME: 15:55:48

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd

Output Set: N:\CRF3\01172002\J033435.raw

```

143 aaaagatcca gccttccttg cgcgcaggt ggcgtcttac tcgggattcc 1050
145 tgctgttgtt gtggccttgg gtaaaggcct ccctgagaa cacaggacag 1100
147 gcctgctgac aaggctgagt ctaccttggc aaagaccaag atattttttc 1150
149 ctggggccact ggtgaatctg aggggtgatg ggagagaagg aacctggagt 1200
151 ggaaggagca gattgcaaa ttaacagctt gcaaatgagg tgcaataaaa 1250
153 atgcagatga ttgcgcggct ttgaaaaaaa aaa 1283
155 <210> SEQ ID NO: 2
156 <211> LENGTH: 278
157 <212> TYPE: PRT
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 2
161 Met His Lys Ala Gly Leu Leu Gly Leu Cys Ala Arg Ala Trp Asn
162 1 5 10 15
164 Ser Val Arg Met Ala Ser Ser Gly Met Thr Arg Arg Asp Pro Leu
165 20 25 30
167 Ala Asn Lys Val Ala Leu Val Thr Ala Ser Thr Asp Gly Ile Gly
168 35 40 45
170 Phe Ala Ile Ala Arg Arg Leu Ala Gln Asp Gly Ala His Val Val
171 50 55 60
173 Val Ser Ser Arg Lys Gln Gln Asn Val Asp Gln Ala Val Ala Thr
174 65 70 75
176 Leu Gln Gly Glu Gly Leu Ser Val Thr Gly Thr Val Cys His Val
177 80 85 90
179 Gly Lys Ala Glu Asp Arg Glu Arg Leu Val Ala Thr Ala Val Lys
180 95 100 105
182 Leu His Gly Gly Ile Asp Ile Leu Val Ser Asn Ala Ala Val Asn
183 110 115 120
185 Pro Phe Phe Gly Ser Ile Met Asp Val Thr Glu Glu Val Trp Asp
186 125 130 135
188 Lys Thr Leu Asp Ile Asn Val Lys Ala Pro Ala Leu Met Thr Lys
189 140 145 150
191 Ala Val Val Pro Glu Met Glu Lys Arg Gly Gly Ser Val Val
192 155 160 165
194 Ile Val Ser Ser Ile Ala Ala Phe Ser Pro Ser Pro Gly Phe Ser
195 170 175 180
197 Pro Tyr Asn Val Ser Lys Thr Ala Leu Leu Gly Leu Thr Lys Thr
198 185 190 195
200 Leu Ala Ile Glu Leu Ala Pro Arg Asn Ile Arg Val Asn Cys Leu
201 200 205 210
203 Ala Pro Gly Leu Ile Lys Thr Ser Phe Ser Arg Met Leu Trp Met
204 215 220 225
206 Asp Lys Glu Lys Glu Glu Ser Met Lys Glu Thr Leu Arg Ile Arg
207 230 235 240
209 Arg Leu Gly Glu Pro Glu Asp Cys Ala Gly Ile Val Ser Phe Leu
210 245 250 255
212 Cys Ser Glu Asp Ala Ser Tyr Ile Thr Gly Glu Thr Val Val Val
213 260 265 270
215 Gly Gly Gly Thr Pro Ser Arg Leu
216 275

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,435

DATE: 01/17/2002

TIME: 15:55:48

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd

Output Set: N:\CRF3\01172002\J033435.raw

```

218 <210> SEQ ID NO: 3
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
224 <400> SEQUENCE: 3
225   gcataaatgga tgtcactgag g 21
226 <210> SEQ ID NO: 4
227 <211> LENGTH: 23
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
232 <400> SEQUENCE: 4
233   agaacaatcc tgcgtgaaagc tag 23
234 <210> SEQ ID NO: 5
235 <211> LENGTH: 46
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
240 <400> SEQUENCE: 5
241   gaaacgagga ggcggctcag tggatgatcgt gtcttcacata cgagcc 46
242 <210> SEQ ID NO: 6
243 <211> LENGTH: 3121
244 <212> TYPE: DNA
245 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 6
247   ggcgcctgag ctcgcctcc gggcccgata ggcgcacga gagcgccctcc 50
248   gtcgaggacc aggcggcgca gggggccggc ggcggaagg aggatgaggg 100
249   ggcgcagcag ctgctgaccc tgcagaacca ggtggcgcgg ctggaggagg 150
250   agaaccgaga ctttctggct gcgctggagg acgccatgga cgagtacaaa 200
251   ctgcagagcg accggctgcg tgagcagcag gaggagatgg tggaaactgcg 250
252   gctgcgggta gagctggtgc ggcacggctg ggggggcctg cggctcctga 300
253   atggcctgcc tccgggtcc ttgtgcctc gacctcatac agcccccctg 350
254   ggggggtgcc acgcccattg gctgggcatg gtgcgcctg cctgcctccc 400
255   tggagatgaa gttggtctg agcagagggg agagcagggt acaaatggca 450
256   gggaggctcg agctgagttg ctgactgagg tgaacaggct ggggaagtggc 500
257   tcttcagctg ctccagagga ggaaggagg gaggaggagc cgcccaggcg 550
258   gaccttacac ctgcgcagaa ataggatcag caactgcagt cagagggcgg 600
259   gggcagcgcc agggagctcg ccagagagga agggcccaga gctttgcctt 650
260   gaggagttgg atgcagccat tccagggtcc agagcagttg gtggggagca 700
261   ggcgccagtt caggcccgcc aggtcccccc tgcacagacc tcagagtggc 750
262   ggctggccca ggcacagcag aagatccggg agctggctat caacatccgc 800
263   atgaaggagg agcttattgg cgagctggtc cgcacaggaa aggcagctca 850
264   ggccctgaac cgccagcaca gccagcgtat ccgggagctg gacgaggagg 900
265   cagagcaggg gggggccgag ctgagtgaa gcccagagga gctcgggagg 950
266   ctcgagggca aggagctcca ggatgctggc gagcggtctc ggctccagga 1000

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,435

DATE: 01/17/2002

TIME: 15:55:48

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd

Output Set: N:\CRF3\01172002\J033435.raw

```

297 gttccgcagg agggctcgtg cgcccagag ccaggtgcag gtgctgaagg 1050
299 agaagaagca ggctacggag cggtctgtgt cactgtcggc ccagagtgcg 1100
301 aagcgactgc aggagctcga gcggaacgtg cagctcatgc ggcagcagca 1150
303 gggacagctg cagaggcggc ttccgcagga gacggagcag aagcggcgcc 1200
305 tggaggcaga aatgagcaag cggaagcacc gcgtcaagga gctggagctg 1250
307 aagcatgagc aacagcagaa gatcctgaag attaagacgg aagagatcgc 1300
309 ggcctccag aggaagaggc gcagtggcag caacggctct gtgttcagcc 1350
311 tggcaacgca gcagaagatt gaggagcaga agaagtggct ggaccaggag 1400
313 atggagaagg tgctacagca gcggcgggcg ctggaggagc tgggggagga 1450
315 gctccacaag cgggaggcca tctggccaa gaaggaggcc ctgatgcagg 1500
317 agaagacggg gctggagagc aagcgccgta gatccagcca ggcctcaac 1550
319 gaggacatcg tgcgagtgtc cagccggcgt gagcacctgg agaaggagct 1600
321 gtccgagaag agcgggcagc tgcggcaggc cagcgcccgag agccagcagc 1650
323 agatccggcg ggagatcgac agcctgcgcc aggagaagga ctgcgtgctc 1700
325 aagcagcgcc tggagatcga cggcaagctg aggcagggga gtctgtgctc 1750
327 ccccgaggag gacgcagcgc tgttccagtt ggatgaggcc atcgaggccc 1800
329 tggatgctgc cattgagtat aagaatgagg ccatacatg ccgccaagcg 1850
331 gtgcttcggg cctcagcctc gtgtgtgtcc cagtgcgaga tgaacctcat 1900
333 ggccaagctc agctacotct cactctcaga gaccagagcc ctctctgcca 1950
335 agtattttga caaggttggt acgtcccgag aggagcagca ccagcagcag 2000
337 attgctcttc cggaactgga gatgcagctg gaggagcagc aggtgtggtt 2050
339 gtactggtct gagggtggcc tggagcgcca gcgctggag atggaccgcc 2100
341 agctgaccc tgcagcagaag gagcacgagc agaactgca gctgctcct 2150
343 cagcagagtc gagaccacct cgtgaagggt ttagcagaca gcaggaggca 2200
345 gtatgaggcc cggattcaag ctctggagaa ggaactgggc cgttacatgt 2250
347 ggataaacca ggaactgaaa cagaagctcg gcggtgtgaa cgctgtaggc 2300
349 cacagcaggg gtggggagaa gaggagcctg tgctcgagg gcagacagcc 2350
351 tcttggaaat gaagatgagc tccacctggc acccgagctt ctctggctgt 2400
353 ccccccctac tgagggggcc ccccgcaacc gggaggagac gcgggaactt 2450
355 gtccacgctc cgttaacctt gacctggaaa cgtctgagcc tgtgtgtgta 2500
357 ggagcagggg tccccgag agctgaggca gcgggaggcg ctgtgagccc 2550
359 tgtgtggggc ggtgcttct gtgggtgagg caggcctgcc ctggaaactt 2600
361 gggcctttgt ccaagccccg gcgggaaact cgacgagcca gcccggggat 2650
363 gttgatgttc cggaaaaacc cctgttaagc cctcggggca gacctgcct 2700
365 tggagggaga ctccagagct gctgaaagg gcagctgctt gttttgtt 2750
367 tggaaggccc agtcttacc gcacacctca aatccaggcc ctcatctgta 2800
369 cctcactcgg gatcaacaaa ttggggccat ggcccaaaag aactggacc 2850
371 tcatttaaca aaataatatg caaattccca ccaacttact gacctgcct 2900
373 gtggtaccca attgcgcct tgtgttctgc tcgaatctca ggacaattct 2950
375 ggtttcagcg gtaaatggat gtgctttag ttcagggggt tggccaagaa 3000
377 tcatcagcaa agggctggtg gcaaccaggt tgtgttttaa atggtcttat 3050
379 gtatataggg gaaactggga gactttagga tcttaaaaaa ccatttaata 3100
381 aaaaaaaatc ttggaaggga c 3121
383 <210> SEQ ID NO: 7
384 <211> LENGTH: 830
385 <212> TYPE: PRS
386 <213> ORGANISM: Homo sapiens
388 <400> SEQUENCE: 7
389 Met Glu Gln Tyr Lys Leu Gln Ser Asp Arg Leu Arg Glu Gln Gln

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/033,435

DATE: 01/17/2002

TIME: 15:55:49

Input Set : A:\Seq\_Listing\_-\_P2930R1C5.wpd

Output Set: N:\CRF3\01172002\J033435.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application No  
 L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
 L:92 M:280 W: Numeric Identifier already exists, <140> found multiple times  
 L:92 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
 L:92 M:270 C: Current Application Number differs, Replaced Current Application Number  
 L:93 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
 L:93 M:271 C: Current Filing Date differs, Replaced Current Filing Date